



MASTER CHEMICALS TECHNOLOGY

MC- MASTER T-LOOK

T-ribbed PVC lining system

Description:

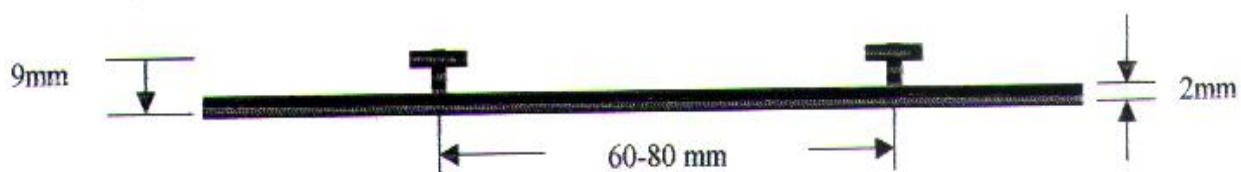
MC-Master T-Look is a flexible T-ribbed sheet manufactured from poly vinyl chloride extruded under high temperature and pressure.

Uses:

MC-Master T-Look is designed specifically to protect new concrete sewer pipe, concrete structures against the sewage conditions as sulfuric acid and hydrogen sulphide gas attack and also other corrosive materials.

Advantages:

- **MC-Master T-Look** is specially compounded to remain flexible.
- High bonding with concrete when embedded in it.
- Good mechanical properties.
- Sheets and accessory items are free from cleavages or any other defects.
- Repairing of the installed lining is available.
- Good impact and wearing resistance.
- High chemical resistance.
- Easy to install and weld.



Physical Properties:

MC-Master T-Look with its accessory items including the welding strips and others have the following physical properties when tested at $25^{\circ}\text{C} \pm 3$.

Property	Result
Shore hardness D ASTM D 2240	1 sec. 50-65 10 sec. 35-55
Tensile strength ASTM D 412	$\geq 12 \text{ N/mm}^2$
Elongation ASTM D 412	$\geq 15 \text{ 0\%}$

Chemical resistance:

MC-Master T-Look is tested at $25^{\circ}\text{C} \pm 3$ as weight change when exposed to the following solutions; for a period of 14 days meet the requirement shown below

Test	After 14 days chemical exposure
Weight change	$1.7 \pm 0.2 \%$

Testing Solutions:

Material	Concentration
Sulphuric Acid	25 %
Sodium Hydroxide	10%
Ammonium Hydroxide	10%
Nitric Acid	1%
Ferric Chloride	5%
Sulphides	2%
Sodium Sulphates	10%
Anionic Surfactant	10%
Soap	5%
Sea Water	-
Mineral Oils	-
Bacteriological	BOD 700 ppm

Test for prologed exposure up to 84 days can be provided.

Dimensions of MC-MASTER T-LOOK***Dimensions of basic size sheets:**

MC-Master T-Look lining sheets shall be 1.5,1.65,2 or 4 mm in thickness, 110-120 cm width and up to 7.5-8 m in length.

T-locking ribs shall be 60-80 mm apart and 9 mm minimum high

Special sized sheets shall be available on special order according to job requirements

***Dimensions of pipe size sheets:**

MC-Master T-Look pipe size sheets fabricated by shop-welding **MC-Master T-Look** basic-size sheets together by heat.

Welding shall be made by heat and pressure with overlapping of 5 cm to the sides of the basic sheets.

Joint strips for pipe shall be 2 mm thick and 10 cm wide.

Sheets can also be supplied in prefabricated pipe size shape ready to lower onto the pipe forms.

*For more details contact **Master Chemicals Technology** technical department*

Or visit our website www.mc.com.eg

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